

*Kenny*

**ELECTRICAL  
CODE**

*of the*

**CITY OF FORT WAYNE**

**FORT WAYNE, INDIANA**

**1958**

ROBERT E. MEYERS, MAYOR

CITY COUNCIL

Emmitt Bliss, President

Jack K. Dunifon

Paul L. Gick

Robt. W. Dahman

John H. Robinson

James P. Davis, Jr.

Paul C. Wolf

Chas. Derrickson, Jr.

Willard A. Redmond

Fred W. Menze,

Building Commissioner

Arthur H. Welklin,

Chief Electrical Inspector

Sylvester Vodde,

Electrical Inspector

## F O R W A R D

The Electrical Code of the City of Fort Wayne consists of the current edition of the National Electrical Code together with such local regulations as have been passed by the City Council.

The local or special requirements shall always apply whether they interpret or modify in any instance, the National Electrical Code.

The occasion for this booklet follows important and timely revisions of the Electrical Code by the City Council under date of March 11, 1958, which in effect brings it up-to-date.

This office will issue bulletins as occasion demands covering interpretations and the use of "subsequent materials" which may be technically approved and which have received recognition generally by architects and engineers.

The purpose of this code is the practical safeguarding of persons and of buildings and their contents, from electrical hazards arising from the use of electricity for light, heat, power, radio, signalling and other purposes.

With the increasing applications of electricity it becomes more and more vital that we all exercise every effort to follow closely the standards as set forth in our Electrical Code.

All licenses expire December 31st of each year.

The Board of Electrical Examiners meet the first Mondays of every quarter for the purpose of conducting examinations and other business that may come before them.

Personnel of the Board of Electrical Examiners:

Paul A. Behrens—

Ft. Wayne Electrical Contractors Ass'n. Inc.

Ray E. Ward—

Indiana-Michigan Electric Co.

Wilbert H. Meyer—

Electrical Workers, IBEW Local No. 305

Louis Schalk—

Underwriters' Inspector

Arthur H. Welklin—

Chief Electrical Inspector (ex officio)

**MUNICIPAL CODE  
OF THE CITY OF FORT WAYNE, INDIANA  
CHAPTER 38  
referred to as  
THE ELECTRICAL CODE**

**ARTICLE I.**

**In General**

**Sec. 1. Not applicable to public utility.**

This Chapter shall not apply to a public utility incorporated for the transmission of intelligence by electricity, nor to those performing work for such public utility where such work is an integral part of the plant and facilities used by the public utility in rendering its services to the public.

**Sec. 2. Penalty.**

Any person, firm or corporation who shall violate any of the provisions of this ordinance shall be guilty of a misdemeanor and upon conviction thereof shall be punished by a fine of not less than Five (\$5.00) Dollars nor more than Fifty (\$50.00) Dollars for each offense, together with the cost of prosecution and if such person, firm or corporation is the holder of a license of any class provided for in this ordinance, such conviction shall have the effect of suspending said license until it shall have been reinstated by the Board of Electrical Examiners upon the payment of a fee equal to the renewal fee of such license.

**Sec. 3. Liability for Damages.**

This Ordinance shall not be construed to relieve from or lessen the responsibility or liability of any person, firm or corporation owning, operating, controlling or installing any electric wiring devices, appliances or equipment for damages to person or property caused by any defects therein, nor shall the City of Fort Wayne be held assuming any such liability by reason of the inspection authorized herein the certificate of approval issued as herein provided or the license and certificate issued as herein provided.

**ARTICLE II.**

**Electrical Inspector**

**Sec. 4. Creation, qualifications, etc.**

That there is hereby created the office of Electrical Inspector. The person chosen to fill the office of Electrical Inspector shall be a graduate electrical engineer with at least two consecutive years practical experience; or an Electrical Contractor or Journeyman who has had at least five consecutive years experience. Such a person shall be

possessed with such executive ability as is requisite for the efficient performance of his duties and shall have a thorough knowledge of the standard materials and methods used in the installation of electric wiring, devices and equipment; shall be well versed in approved methods of electrical construction for safety to life and property, the Statutes of the State of Indiana relating to electrical work, the rules and regulations issued under authority of the Statutes and the National Electric Code, as approved by the American Standards Association.

**Sec. 5. Appointment by Board of Public Works.**

The Electrical Inspector shall be appointed by the Board of Public Works.

**Sec. 6. Assistant.**

The Common Council shall have power to appoint an Assistant Inspector. Such assistant shall qualify likewise as the Chief Electrical Inspector. Such assistant shall work under the direction of the Chief Electrical Inspector.

**Sec. 7. Coordination with Building Commissioner.**

The work of Electrical Inspector shall co-ordinate with that of the Building Commissioner.

**Sec. 8. Oath.**

Before entering upon the discharge of their duties, the Electrical Inspector and Assistant Inspector shall subscribe to an oath which, together with the certificate of appointment, shall be filed with the city clerk.

**Sec. 9. Duties of Electrical Inspector.**

It shall be the duty of the Electrical Inspector and his assistant to see that the provisions of this ordinance are enforced. He shall upon application grant permits for the installation or alteration of electric wiring, devices, appliances and equipment and shall make inspections of all new electrical installations and re-inspections as provided for in this ordinance. He shall keep a complete record of all permits issued, inspections and re-inspections made and other official work performed in accordance with the provisions of this ordinance. He shall also keep on file a list of inspected electrical appliance cards issued by or for the Underwriters' Laboratories, which file shall be accessible for public reference during regular office hours. He shall hold membership in the National Fire Protection Association and the International Association of Electrical Inspectors and shall serve on any electrical committee of these associations to which he may be appointed.

**Sec. 10 Not to Engage in Electrical Business.**

It shall be unlawful for the Electrical Inspector, or his assistant to engage in the business of Electrical Contracting, either directly or indirectly, and they shall have

no interest in any concern engaged in such business in the City of Fort Wayne at any time while holding such office as herein provided for.

**Sec. 11. Right to enter and disconnect service.**

The Electrical Inspector shall have the right during reasonable hours to enter any building in the discharge of his official duties, or for the purpose of making any inspection, re-inspection or test of the installation of electric wiring, devices, appliances and equipment contained therein, and shall have authority to cut or disconnect any wire in case of emergency where necessary for safety to life and property, or where such wire may interfere with the work of the fire department. The Electrical Inspector is hereby empowered to disconnect or order the discontinuance of Electrical Service to any electrical wiring devices, appliances and equipment found to be dangerous to life or property because they are defective or defectively installed until such wiring, devices, appliances and equipment and their installation have been made safe as directed by him.

**ARTICLE III.**

**License and Bond**

**Sec. 12. License required.**

No person, firm or corporation shall engage in the business of installing, maintaining altering or repairing within the City of Fort Wayne or in connection with City Owned property outside of the City of Fort Wayne, any electric wiring, devices, appliances or equipment unless such a person, firm or corporation shall have received an electrical contractor's license and a certificate therefor, nor shall any person, firm or corporation, except a person employed by and working under the direction of a holder of an Electrical Contractor's license or an Electrical Maintenance License, in any manner undertake to execute any work of installing, maintaining, altering or repairing any such electric wiring devices or equipment unless such person, firm or corporation shall have received either an Electrical Contractor's License and a certificate therefor, except that no license shall be required in order to execute the following work:

1. Any work involved in the manufacture, test or repair of electric materials, devices, appliances or apparatus, but not including any permanent wiring other than that required for testing purposes.

2. The assembly, erection and connection of electric apparatus and equipment by the manufacturer of such apparatus and equipment, but not including any electrical wiring other than that involved in making electric con-

nections on the apparatus or equipment itself or between two or more parts of such apparatus or equipment.

3. For minor repair work, for the replacement of lamps or for the connection of portable devices to suitable receptacles which have been permanently installed.

4. For the installation of wiring, devices, appliances and equipment for the operation of signals or the transmission of intelligence, where such wiring, devices, appliances or equipment operate at a voltage not exceeding fifty between conductors, and do not include generating or transforming equipment capable of supplying more than 50 watts of energy.

5. For any repairing, maintenance or servicing of any equipment installed under the provision of the Ordinance known as the "Heating Code" which may be performed by anyone licensed under said "Heating Code" as provided in Section 16 of Chapter 41.

### **Sec. 13. Classes of License.**

Three Classes of Licenses and certificates therefor shall be issued by the Board of Electrical Examiners through the Electrical Inspector, which shall be designated respectively as Class I—Electrical Contractor's License; Class II — Electrical Maintenance License; Class III — Journeyman's License.

#### **Class I. Electrical Contractor's License**

Shall entitle the holder thereof to engage in the business of Electrical Contracting to secure permits for installation, alteration and repair of any electric wiring, devices, appliances or equipment.

#### **Class II. Electrical Maintenance License.**

Shall entitle the holder thereof to undertake the work of installing, maintaining, altering and repairing electric wiring, devices, appliances and equipment provided that the holder of such license regularly employs electricians licensed hereunder for such purposes and provided that such work shall be confined to the premises owned or occupied by the holder of such license, the location of which premises shall be described in the license.

#### **Class III. Journeyman's License**

Shall entitle the holder thereof to undertake the work of installing, maintaining, altering and repairing electric wiring, devices, appliances and equipment in the employ of an Electrical Contractor or holder of maintenance license.

### **Sec. 14. Application for License.**

Applications for licenses shall be made in writing to the Board of Examiners stating the class of license applied for, the name of the representative of the applicant

and the name of the representative of the applicant who will act as the supervisor of the work to be done under the license, in the case of Class I and Class II License.

**Sec. 15. Holder of License and Supervisor—Class I and II.**

Each applicant for a license issued in accordance with the provisions of this ordinance shall be known as the holder of the license, and shall specify the name of the person who has passed the examination, and such person shall be designated in the certificate as the supervisor of all work to be done under the license. The person designated as the supervisor may be a person in the employ of the holder of the licenses; or, if the holder is a person, may be the holder himself, or if the holder is a firm, may be a member of the firm, or, if the holder is a corporation, may be an officer in the corporation.

The same person shall not be designated as the supervisor in two or more licenses issued to different persons, firms or corporations. In event that the business association with, or employment of the supervisor by, the holder of the license shall terminate, said license shall become null and void sixty (60) days after such termination, except where another has taken an examination and passes and is designated again as the supervisor.

**Sec. 16. Bond.**

Before being granted an electrical license—Class I or II, the applicant shall give bond to the City of Fort Wayne in the penal sum of Two Thousand (\$2,000.00) Dollars with surety to be approved by the City Controller, conditioned for the faithful performance of his, their, or its duties, according to the terms of this code which bond shall be for the term of one year and shall be renewed annually.

**Sec. 17. Fees for Licenses.**

Before a license is granted to any applicant and before any expiring license is renewed, the applicant shall pay to the city a fee in such an amount as is herein specified for the class of license to be granted or renewed, as follows:

Class I. Electrical contractor's license .....	\$50.00
Annual renewal fee .....	\$25.00
Class II. Electrical maintenance license .....	\$35.00
Annual renewal fee .....	\$15.00
Class II. Journeyman's license .....	\$ 1.00
Annual renewal fee .....	\$ 1.00

Each license shall expire on December 31st following the date of its issue and shall be renewed by the board of electrical examiners through the electrical inspector upon application of the holder of the license and payment of

the required fees any time before or within thirty days from the date of such expiration.

The holders of all electrical licenses at the time of the going into effect of this chapter shall if they desire licenses hereunder procure the same within thirty days after the going into effect of this chapter and in which event they shall be required to pay only the renewal license fee for the class of license desired by them but all applicants applying thirty days after the going into effect of this chapter shall pay the initial license fee.

**Sec. 18. License and permit fees paid to Controller.**

License and permit fees shall remain the property of the city and shall be paid to the City Comptroller at the conclusion of each day's business.

**Sec. 19. Display of certificates.**

Every holder of a license, except journeymen, shall keep his, their, or its certificate of license displayed in a conspicuous place in his, their or its principal place of business.

**Sec. 20. Granted to American citizens only.**

No one but an American citizen shall be granted a license in the City of Fort Wayne whether it is Class I, II or II Classification.

**Sec. 21. Revocation of Licenses.**

No license and certificate issued in accordance with the provisions of this ordinance shall be assignable or transferable.

**Sec. 22. Suspension or Revocation.**

Any such license may after hearing be suspended or revoked by the Board of Electrical Examiners if the person, firm or corporation holding such license willfully, or by reason of incompetence, repeatedly violates any Statutes of the State of Indiana or any ordinance or rule or regulation of the City of Fort Wayne relating to the installation, maintenance, alteration or repair of electric wiring devices, appliances and equipment.

The Board of Electrical Examiners shall revoke any Class I Electrical License if during a period of two years no permit for the installation of any electrical wiring, devices, appliances or apparatus shall have been secured from the City of Fort Wayne by the holder of the license.

**ARTICLE IV.**

**Board of Electrical Examiners.**

**Sec. 23. Creation and composition of Board.**

There is hereby created a Board of Electrical Examiners which shall consist of the Electrical Inspector and four other members appointed by the Mayor, one being an

Electrical Contractor, one Journeyman Electrician, one Underwriters' Inspector and one Utility Representative.

**Sec. 24. Term of office; removal.**

Appointments shall be for a term of one year—but any member may, for cause, be removed from office at any time by the Mayor.

**Sec. 25. Compensation.**

The Board of Examiners shall receive such compensation as may from time to time be prescribed by the ordinance fixing the salaries and compensation of the officers and employees of the City of Fort Wayne.

**Sec. 26. Time of Examination.**

For the purpose of examining applicants, the Board will meet on the first Monday in January, April, July and October.

**Sec. 27. Examination Fee.**

All applications for examination shall be accompanied with a fee of \$5.00 which shall remain the property of the City of Fort Wayne whether applicant passes or not.

**Sec. 28. Exemption.**

Licenses shall be issued without examination or examination fee to all persons, firms or corporations carrying an Electrical License during the year 1936 and to Journeyman for Class III license who can present evidence, within thirty (30) days after the passage of this Chapter to the Examining Board to the effect that they engaged as a Journeyman during the year 1936.

**Sec. 29. Scope of Examination.**

Applicants will be examined to determine their knowledge of the rules and regulations governing the installation of electric wiring, devices, appliances and equipment, as set forth in the statutes of this state, or as issued under the authority of the statutes of this state, in ordinances of the city, and in the National Electric Code, and to determine the general qualifications and fitness of each applicant for executing the class of work covered by the license applied for.

No person shall be examined for a Class III Supervisor's License unless he shall have had an experience of at least four years as an electrician in the electrical residential, commercial or industrial field, as the case may be, and is able to furnish satisfactory evidence of such fact.

A certificate or diploma from a recognized school of electricity will be acceptable in lieu of two of the four years hereinabove required.

Two years' electrical experience in the United States Military Service will also be acceptable, however, in lieu

of one year of the four noted above. Not more than two years' credit shall be given for any combination of such school work or military experience.

**Sec. 30. Failure to pass examination.**

Should an applicant fail to pass an examination, not having obtained a rating of 70% or higher, said applicant may be re-examined upon submitting application in writing at least ten days before the next specified meeting date and accompanied with the \$5.00 examination fee.

**Sec. 31. Form of records; certificates.**

Examination shall be in writing and a complete record of each shall be kept on file for a period of three years after date of such examination at the office of the Electrical Inspector. The Board shall grant through the Electrical Inspector licenses as applied for and shall issue certificates therefor to those applicants who shall show the proper qualifications, provided that in every case the license shall not be granted until the prescribed fee has been paid. It shall also be the duty of the Board of Examiners to suspend or revoke any license for good and sufficient cause and reason through the Electrical Inspector.

**Sec. 32. Quorum of Board.**

Three members of the Board present at any meeting shall constitute a quorum for the granting of and revocation of licenses and the transaction of other business, and a majority vote of such quorum shall prevail.

**Sec. 33. Review of Decisions.**

When the Electrical Inspector condemns all or part of any Electrical Installation the owner may, within five days after receiving written notice from the Electrical Inspector file a petition in writing for review of said action of the Electrical Inspector with the Board of Electrical Examiners, upon receipt of which said Board shall at once proceed to determine whether said Electrical Installation complies with this ordinance and within five days shall make a decision in accordance with its findings.

**ARTICLE V.**

**Permits, Inspection and Installation.**

**Sec. 34. Permits Required.**

No electric wiring, devices, appliances or equipment for the transmission or utilization of electrical energy for any purpose shall be installed within or on any building or structure nor shall any alteration or addition be made in any such existing electric wiring, devices, appliances or equipment without first securing a permit therefor from the Electrical Inspector, except as stated in section 35 of this chapter.

### **Sec. 35. When Permit is Not Required.**

No permit shall be required for minor repair work, for the replacement of lamps or for the connection of portable devices to suitable receptacles which have been permanently installed.

No permit shall be required for the installation of wiring, devices, appliances and equipment for the operation of signals or the transmission of intelligence where such wiring devices, appliances or equipment operate at a voltage not exceeding fifty between conductors, and do not include generating or transforming equipment capable of supplying more than 50 watts of energy.

No permit shall be required for the installation, maintenance or alteration of electric wiring, devices, appliances and equipment to be installed by or for an electric public service corporation for the use of such corporation in the generation, transmission, distribution or metering of electric energy or for the use of such a corporation in the operation of signals or the transmission of intelligence.

### **Sec. 36. Application for Permit.**

Application for such permit describing the work to be done shall be made in writing to the Electrical Inspector by the person, firm or corporation installing the work and permit when issued shall be to such applicant. The application shall be accompanied by such plans, specifications, and schedules as may be necessary to determine whether the installation as described will be in conformity with the regulations and requirements of this ordinance, and if the applicant has complied with all the provisions of this ordinance, a permit for such installation shall be issued; provided, however, that the issuance of the permit shall not be taken as permission to violate any of the requirements of this ordinance.

### **Sec. 37. No Deviation from Application.**

A permit when issued shall be for such installation as is described in the application and no deviation shall be made from the installation so described without the written approval of the Electrical Inspector.

### **Sec. 38. Permits Issued only to Licensees.**

No permit for the installation or alteration of any electric wiring, devices, appliances or equipment shall be issued to any persons unless such person is the holder of a license entitling such person to secure permits for and to execute the work described in the application for the permit; provided, however, that a permit may be issued to the owner of any building used and occupied by him, for which a permit is required by this ordinance, if said work shall actually be done by the owner or a member of his

immediate family and the applicant furnishes a sworn statement to that effect, except that no permit shall be issued to the owner of any building to do his own electrical wiring if the building for which a permit is required is used as a place of business, apartment house, rental unit, or as a house to be offered for resale within one year.

### **Sec. 39. Fees for Permits and Inspections.**

Before any permit is granted for the installation or alteration of electrical wiring, devices, appliances or equipment, the person making application for such permit shall pay to the Electrical Inspector a fee in the amount specified below:

#### **(a) Lighting Circuits:**

Extension to wiring less than one circuit .....	\$1.00
One circuit .....	1.00
Two to ten circuits each .....	.75
Over ten circuits each .....	.40

#### **(b) Lighting Fixtures:**

One or two .....	1.00
Over two each .....	.10
Fluorescent type fixtures—each ballast counting as one fixture.	

#### **(c) Electric Ranges, Electric Dryers and Electric Water Heaters:**

First unit .....	1.00
Each additional unit	

#### **(d) Electric Space Heating.**

Each circuit .....	1.00
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Fee includes panels, convectors or cable.

#### **(e) Motors, Generators, Welding Machines and Similar Apparatus.**

Up to and including 5 HP each .....	2.00
Over 5 HP and including 10 HP each .....	3.00
Over 10 HP and including 20 HP each .....	4.00
Over 20 HP and including 50 HP each .....	5.00
Over 50 HP and including 100 HP each .....	8.00
To obtain fee for motors over 100 HP add \$2.00 for each 100 HP.	

#### **(f) Service Entrances:**

Up to and including 200 ampere .....	1.00
Over 200 ampere and including 400 ampere .....	2.00
Over 400 ampere and including 600 ampere .....	3.00
Over 600 ampere .....	4.00

#### **(g) Existing circuits connected to new service entrance when no other wiring is being installed .....**

	1.00
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#### **(h) Electric Signs:**

Extension to wiring less than one circuit .....	1.00
One circuit .....	1.00
Two to ten circuits each .....	.75

Over ten circuits each .....	.40
(i) <b>Wiring Devices, Appliances and Equipment Not Covered by Above Schedule:</b>	
Application .....	\$1.00
Additional fee per hour over first hour .....	

For each unnecessary trip of inspection caused by defective workmanship or incorrect information, a charge of two dollars will be made in addition to the regular fee.

Should a licensed contractor install work without first securing a permit and be apprehended by the electrical inspector in so doing, a penalty of fifty per cent additional shall be required, and the payment of such fee shall not release him from other penalties herein provided.

#### **Sec. 40. Inspection and Certificates.**

Upon the completion of the work which has been authorized by issuance of a permit it shall be the duty of the person, firm or corporation installing the same to notify the Electrical Inspector who shall inspect the installation within 24 hours, exclusive of Saturdays, Sundays and Legal Holidays, of the time such notice is given or as soon thereafter as is practicable, and if found to be in full compliance with the provisions of this ordinance, he shall issue a final certificate of approval and send written notice to all distributors of electricity of such authorization. No distributor of electricity shall connect to source of supply without authority of Electrical Inspector.

When a certificate of approval is issued authorizing the connection and use of incomplected or temporary work, such certificate shall be issued to expire at a time stated therein and shall be revocable by the Electrical Inspector for cause. A preliminary certificate of approval may be issued authorizing the connection and use of certain specified portions of an uncompleted installation, such certificate being revocable at the discretion of the Electrical Inspector.

When any part of a wiring installation is to be hidden from view by permanent placement of parts of the building, the person, firm or corporation installing the wiring shall notify the Electrical Inspector and such parts of the wiring installatoni shall not be concealed until after they have been inspected and approved by the Electrical Inspector. or until 24 hours, exclusive of Saturdays, Sundays and Legal Holidays, shall have elapsed from the time of such notification, providing that on large installations, where the concealment of parts of the wiring proceeds continuously, the person, firm or corporation installing the wiring shall give the Electrical Inspector due notice and inspections shall be made periodically during the work.

If upon inspection the installation is not found to be fully in compliance with this ordinance, the Electrical Inspector shall post notice on the installation; also a written notice stating the defects which have been found to exist. Corrections shall be made immediately to comply with this chapter.

#### **Sec. 41. Reinspection.**

The Electrical Inspector shall endeavor periodically to make a thorough reinspection of the installation of all electric wiring, devices, appliances and equipment now installed or that may hereafter be installed within the City of Fort Wayne and within the scope of this ordinance, should he have opportunity to do so, and when the installation of such wiring devices, appliances and equipment is found to be in a dangerous or unsafe condition, the person, firm or corporation owning, using or operating the same shall be notified in writing and shall make the necessary repairs or changes required to place such electric wiring, devices, appliances and equipment in safe condition within a period not to exceed thirty days depending upon the work involved and the extent of the hazards existing.

#### **Sec. 42. Connection to Installations.**

It shall be unlawful for any person, firm or corporation to make connection from a source of supply of electrical energy to any electric wiring, devices, appliances or equipment which has been disconnected or ordered to be disconnected by the Electrical Inspector or the use of which has been ordered discontinued by him authorizing the reconnection and use of such electric wiring, devices, appliances or equipment.

### **ARTICLE VI. Standards.**

#### **Sec. 43. In General.**

All installations shall be in strict conformity with the provisions of this ordinance, the Statutes of the State of Indiana, the rules and regulations issued by the Public Service Commission of Indiana under authority of the State Statutes and shall be in conformity with approved standard of construction for safety to life and property. In every case where no specific type or class of material or no specific method of construction is prescribed by the Statutes of the State of Indiana, by regulation issued under the authority of the State Statutes or by this ordinance, conformity with the regulations as laid down by the National Electric Code as approved by the American Standards Association shall be prima facie evidence

of conformity with approved standards of construction for safety to life and property.

The special requirements, as set out in the following section, shall always apply whether they interpret or modify the foregoing standards, the above being minimum standards, the following being more rigid rules.

**Sec. 44. Approved rigid metallic conduits, electric metallic tubing or metal raceways.**

All electric wiring within the primary and secondary fire limits of the City of Fort Wayne, and City owned property outside of the City of Fort Wayne, shall be installed in approved rigid metallic conduits, electric tubing or metal raceway.

**Sec. 45. Metallic conduit or metal raceway restrictions.**

All wiring hereafter installed within the corporate limits of the City of Fort Wayne outside of the primary and secondary fire limits, in all buildings or structures, except residences not containing more than two apartments and private garage of not over two car capacity located on the same lot, shall be installed in approved metallic conduit or metal raceway.

**Sec. 46. Apartment residences and garages.**

One and two apartment residences and private garages of not over two car capacity outside of the primary and secondary fire limits may be wired with non-metallic sheathed cable or knob and tube method, in which case no splicing of wires will be permitted except within approved outlet box, cabinet or switch box.

Basements, unless wiring is concealed shall be wired with rigid metallic conduits, electric metallic tubing or metal raceways and exible steel conduit in a very limited way.

**Sec. 47. Appliances.**

Ranges, water heaters, electric dryers, space heating and window air conditioning units may be wired in their entirety with service entrance cable in apartment dwelling buildings containing not more than four apartments and located outside of the fire limits when said apartment buildings are not part of a commercial structure, at the discretion and with the approval of the Electrical Inspector.

**Sec. 48. Receptacle Outlets.**

All receptacle outlets in kitchens, breakfast rooms, dining rooms and laundry rooms shall be wired to provide not over two such outlets to a circuit; provided only that clock outlets are not included herein.

**Sec. 49. Switches and Receptacles Exposed to Moisture.**

All plates covering flush wall switches or flush receptacles installed in basements, garages, bathrooms or where exposed to moisture shall be made of non-metallic and non-conducting materials.

**Sec. 50. Sockets exposed to Moisture.**

All sockets installed in bathrooms, basements, garages or where exposed to moisture shall be made of non-metallic and non-conducting materials such as porcelain or composition and if controlled by a pull chain, there shall be an insulator installed on such chain.

**Sec. 51.**

All sockets installed in show windows shall be of the porcelain or composition type.

**Sec. 52. Panels and Over Current Protection.**

Light, heat and power panels shall be of the dead front type.

Where plug fuses are to be used as overcurrent protection devices, they shall be type S and shall conform to the requirements outlined in paragraph 2453 of the 1956 edition of the National Electrical Code.

**Sec. 53. Conduit.**

Only white or galvanized conduit shall be provided in filling station work as well as where subject to moisture—fittings likewise.

**Sec. 54. Power Wiring.**

All wiring for power (except portable equipment supplied with cord which may be used to outlet immediately adjacent thereto and for fractional H.P. type only) within the corporate limits of the city and on city-owned property outside the city shall be installed in approved metal conduit or metal raceway; provided, however, that window air conditioning units may be wired with nonmetallic sheathed cable within one or two apartment dwellings outside of the fire limits but not including the basements thereof.

**Sec. 55.**

Armoured Cable (commonly known as BX) shall not be used within the corporate limits of the City of Fort Wayne, except in a limited way and by special permission in writing.

**Sec. 56. Services — Light and Power.**

Light and Power Services shall be installed with rigid conduit or metallic electric tubing from entrance conduit to distribution centers of all buildings or structures within the corporate limits of the city and city-owned property outside of the city, except electric ranges and water heaters service entrance cable may be used in up to four apart-

ment dwellings outside of the primary and secondary fire limits.

**Sec. 57. Wire Beyond Entrance Condulet.**

At least three feet of wire shall be provided beyond entrance condulet.

**Sec. 58. Service Switches.**

Service switches shall be of the safety enclosed type. Service switches for lighting, ranges and water heaters shall be installed in basement when practicable.

**Sec. 59. Residential Service Entrances.**

Minimum size — 100 ampere, 3 wire.

Exception: Loads and conditions of a temporary nature or where the enforcing authority deems a smaller size justifiable.

**Sec. 60. Grounding.**

Rigid type ground fittings shall be provided when connecting ground wire to water pipe or rod. Metal switch and outlet boxes shall be effectively grounded on all new residential installations where used for light, heat or power.

**Sec. 61. Subsequent Material.**

Where materials that may hereafter come upon the market as an improvement over certain materials that may be referred to in this code are used, evidence that such materials have been technically approved and received recognition generally by architects and engineers shall constitute a prima facie case of compliance with the requirements of this ordinance.

**Sec. 62. Approved Materials.**

No electrical materials, devices, appliances or equipment shall be sold, used or installed in the City of Fort Wayne, unless they are in conformity with the provisions of this ordinance and the Statutes of the State of Indiana and unless they are in conformity with approved methods of construction for safety to life and property.

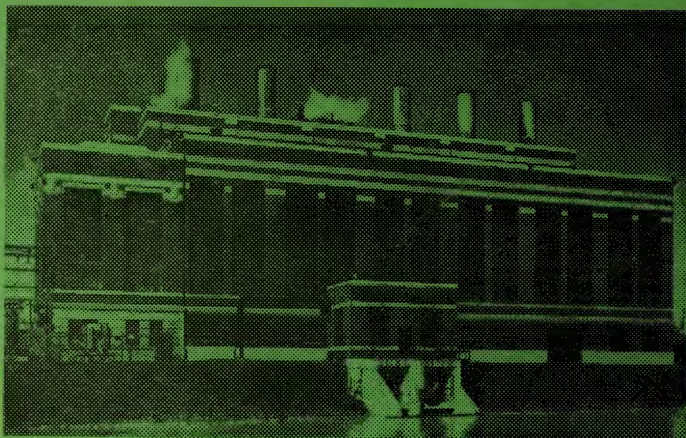
**Sec. 63. Safety Type or Class.**

All materials, devices, appliances and equipment which conform to the standards of Underwriters' Laboratories, Inc., as approved by the American Standards Association and other safety standards approved by the American Standards Association shall constitute a prima facie case of compliance with the requirements of this ordinance in that respect except where such materials, devices, appliances and equipment have been disproved or prohibited for installation or used by the Statutes of the State of Indiana, or by orders issued under the authority of such Statutes or by this ordinance. The maker's name, trademark or other identification symbol shall be placed on all electrical material, devices, appliances and equipment used or installed pursuant to this Ordinance.



USE

**City Light**



## City Light and Power Plant

In Fort Wayne the citizens enjoy the advantages of owning their own municipal utilities, receiving unexcelled service at very low cost.

. . . . and there are other advantages. City Light PAYS YOU DIVIDENDS totaling over a million dollars annually in tax reduction and lower electric bills. The past year City Light contributed \$326,000 in free lighting of parks, playgrounds, recreational centers and in other services — costs which otherwise would be added to your taxes. The estimated savings in electric bills was \$1,036,000. It pays to patronize your own company. Use City Light.



LIGHT & POWER

SEWAGE DISPOSAL

WATER FILTRATION